

Title (en)
MEDICINAL XIDING VIAL AND DISPENSING APPARATUS AND INJECTION APPARATUS THEREOF

Title (de)
MEDIZINISCHE CEFOXITIN-PHIOLE UND AUSGABEVORRICHTUNG SOWIE INJEKTIONSVORRICHTUNG DAFÜR

Title (fr)
FLACON DE CÉFOTOXINE MÉDICINALE, ET APPAREIL DE DISTRIBUTION ET APPAREIL D'INJECTION ASSOCIÉ

Publication
EP 3284495 A1 20180221 (EN)

Application
EP 17190619 A 20140125

Priority

- CN 201310039075 A 20130131
- CN 201310471655 A 20131010
- EP 14745789 A 20140125

Abstract (en)

A medicinal xiding vial, and a dispensing apparatus and an injection apparatus thereof, comprise a reversely pressed medicinal xiding vial, a reversely pressed dispensing apparatus and a reversely pressed injection apparatus thereof, a general medicinal xiding vial, and a general injection apparatus. The reversely pressed medicinal xiding vial comprises a vial body whose inner wall is a straight cylinder. A first piston is disposed on a position close to the vial opening of the vial body. A blind hole is disposed at the center of an outer bottom surface of the first piston. The vial opening is provided with an outer edge, and a seal cap is fixed on the out edge to prevent the first piston from falling off. In combination with the dispensing apparatus and the injection apparatus thereof, the medicinal xiding vial can solve the problem of secondary pollution during medicine dispensing and injection. The present invention is applicable to a city hospital, and is also widely applicable to a place with poor sanitary conditions such as a mountain area or countryside, and is further applicable to an open country, a ship, a battlefield, and a disaster area.

IPC 8 full level
A61M 5/178 (2006.01); **A61J 1/05** (2006.01); **A61J 1/20** (2006.01); **A61M 5/24** (2006.01); **A61M 5/315** (2006.01)

CPC (source: EP US)
A61J 1/2013 (2015.05 - EP US); **A61J 1/2096** (2013.01 - EP US); **A61M 5/2429** (2013.01 - EP US); **A61M 5/2448** (2013.01 - EP US); **A61M 5/31511** (2013.01 - EP US); **A61J 1/1412** (2013.01 - US); **A61J 1/1425** (2015.05 - EP US); **A61J 1/20** (2013.01 - US); **A61J 1/2003** (2015.05 - US); **A61J 1/201** (2015.05 - EP US)

Citation (search report)

- [A] US 2010204659 A1 20100812 - BOCHENKO WALTER JOHN [US], et al
- [A] WO 2004043514 A2 20040527 - MDC INVEST HOLDINGS INC [US], et al

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 2952217 A1 20151209; EP 2952217 A4 20170104; EP 2952217 B1 20180627; BR 112015018468 A2 20170718; EP 3284495 A1 20180221; JP 2016508773 A 20160324; US 10188584 B2 20190129; US 2015359710 A1 20151217; WO 2014117691 A1 20140807

DOCDB simple family (application)
EP 14745789 A 20140125; BR 112015018468 A 20140125; CN 2014071442 W 20140125; EP 17190619 A 20140125; JP 2015555573 A 20140125; US 201414765310 A 20140125